

ABSTRACT

The invention relates to a sol-gel coating material containing an acrylate copolymer solution containing at least one acrylate copolymer; a parent varnish which
5 can be prepared by hydrolysis and condensation of at least one hydrolyzable silane of the general formula (I) SiR_4 , wherein R = hydrolyzable groups, hydroxy groups and non-hydrolyzable groups, subject to the condition that there should be at least one, preferably two, hydrolyzable groups; and a sol which can be prepared by hydrolysis, condensation and complexing of at least one hydrolyzable silane of the general
10 formula (I) and at least one hydrolyzable metal compound of the general formula (II) MR_n , wherein M = aluminum, titanium or zirconium; R = hydrolyzable groups, hydroxy groups and non-hydrolyzable groups, subject to the condition that there should be at least one, preferably two, hydrolyzable groups; and n = 3 or 4.